

DELPHION**RESEARCH****PRODUCTS****INSIDE DELPHION****Log Out** **Work Files** **Saved Searches****My Account****Search:** Quick/Number Boolean Advanced Der**Derwent Record****Er****View:** [Expand Details](#) **Go to:** [Delphion Integrated View](#)**Tools:** [Add to Work File:](#) [Create new Work](#)**Derwent Title:** **Stable aq. alkyl tri:alkoxy-silane hydrolysate soln. - used for water-impermeabilising inorganic oxide esp. building material and foamed PVA****Original Title:** ☒ **EP0049365A2: Stable aqueous impregnating solutions made from hydrolysed alkyltrialkoxysilanes****Assignee:** **DYNAMIT NOBEL AG** Standard company
Other publications from **DYNAMIT NOBEL AG (DYNN)**...**Inventor:** **SCHMIDT W;****Accession/** **1982-31268E / 198216****Update:****IPC Code:** B05D 5/00 ; C04B 41/28 ; C07F 7/18 ; C08J 9/40 ; C09K 3/18 ; C10M 3/44 ;**Derwent Classes:** **A82; E11; L02; P42;****Manual Codes:** **A01-A03**(Silicon containing monomers, condensants) , **E05-E02**((Cyclo)aliphatic compound with Si-C bond [general]) , **L02-D14**(Concrete additives and coatings)**Derwent Abstract:** (EP0049365A) New stable aq. alkyl-silanol solns. contain 0.5-45 (2-40) wt.% alkyl-trialkoxysilane hydrolysates having formula $\text{CH}_3\text{CH}_2\text{CH}_2\text{-Si}(\text{OH})_n(\text{OR})^{3-n}$ (I) (where R' is 1-4C alkyl and n is 1-3) and pref. have pH 2-7. (I) are prepd. by mixing alkyl-trialkoxysilanes with water at pH 1-7 (2-3.5) at room temp. Heating is not required, since silanol-formation is exothermal. Soln. use for the water-repellent impregnation of inorganic oxide-, esp. building material and for camouflage impregnation is claimed.**Family:** **PDF Patent Pub. Date Derwent Update Pages Language IPC Code**☒ **EP0049365A *** 1982-04-14 198216 13 German C04B 41/28

Des. States: (R) AT BE CH DE FR GB IT LI LU NL SE

Local appls.: **EP1981000106892** Filed:1981-09-03 (81EP-0106892)☒ **US4708743 =** 1987-11-24 198749 4 English C09K 3/18

Local appls.:

☒ **DE3173444G =** 1986-02-20 198609 German C04B 41/49

Local appls.:

EP0049365B = 1986-01-08 198603 German C04B 41/28

Des. States: (R) AT BE CH DE FR GB IT LI LU NL SE

Local appls.:

☒ **CA1196653A =** 1985-11-12 198550 English C07F 7/18

Local appls.:

☒ **US4517375** = 1985-05-14 198522 4 English C07F 7/08
 Local appls.: **US1986000846496** Filed:1986-03-26 (86US-0846496)

☒ **US4352894** = 1982-10-05 198242 4 English C08J 9/40
 Local appls.: **US1982000375941** Filed:1982-05-07 (82US-0375941)

☒ **JP57126878A** = 1982-08-06 198237 English C04B 41/22
 Local appls.:

☒ **DE3037220A** = 1982-04-29 198218 German B05D 5/00
 Local appls.:

INPADOC
 Legal Status:

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Priority Number:

Application Number	Filed	Original Title
DE1980003037220	1980-10-02	STABILE WAESSRIGE IMPRÄGNIERLOESUNGEN AUS HYDROLIERTEN ALKYLTRIALKOXISILANEN

Chemical
 Indexing Codes:

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Polymer
 Multipunch Codes:

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Title Terms:

STABILISED AQUEOUS ALKYL TRI ALKOXY SILANE HYDROLYSATE
 SOLUTION*WATER IMPERMEABLE INORGANIC OXIDE BUILD MATERIAL
 FOAM PVA

Index Terms:

POLYVINYL ALCOHOL

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